



Please type a plus sign (+) inside this box →

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/625,961
Filing Date	7/23/2003
First Named Inventor	Vladislav Vashchenko
Group Art Unit	2838
Examiner Name	Adolf D. Berhane
Attorney Docket Number	P05606

ENCLOSURES (check all that apply)

- Fee Transmittal Form
- Fee Attached
- Amendment / Reply
- After Final
- Affidavits/declaration(s)
- Extension of Time Request
- Express Abandonment Request
- Information Disclosure Statement
- Certified Copy of Priority Document(s)
- Response to Missing Parts/ Incomplete Application
- Response to Missing Parts under 37 CFR 1.52 or 1.53

- Assignment Papers (for an Application)
- Drawing(s)
- Licensing-related Papers
- Petition
- Petition to Convert to a Provisional Application
- Power of Attorney, Revocation Change of Correspondence Address
- Terminal Disclaimer
- Request for Refund
- CD, Number of CD(s) _____

- After Allowance Communication to Group
- Appeal Communication to Board of Appeals and Interferences
- Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- Proprietary Information
- Status Letter
- Other Enclosure(s) (please identify below):

Fee Transmittal; Check for \$170
Petition 37CFR1.48(a), Decl. by
inventor, Consent 3.73(b),
copies of other assignments,
New decl and assignment.

Remarks

Recordation Form

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name

Jurgen Vollrath

Signature

Date

1/24/2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

Typed or printed name

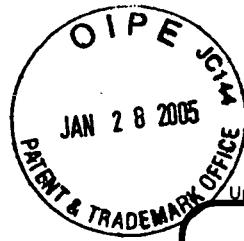
Jurgen Vollrath

Signature

Date

1/26/2005

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 170)

Complete if Known

Application Number	10/625,961
Filing Date	7/23/2003
First Named Inventor	Vladislav Vashchenko
Examiner Name	Adolf D. Berhane
Group Art Unit	2838
Attorney Docket No.	PU5606

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **140448**
Deposit Account Name **National Semiconductor Corp**

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101	710	201 355 Utility filing fee	
106	320	206 160 Design filing fee	
107	490	207 245 Plant filing fee	
108	710	208 355 Reissue filing fee	
114	150	214 75 Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
			-20** =	X	=
			-3** =	X	=

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103	18	203 9 Claims in excess of 20
102	80	202 40 Independent claims in excess of 3
104	270	204 135 Multiple dependent claim, if not paid
109	80	209 40 ** Reissue independent claims over original patent
110	18	210 9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205 65	Surcharge - late filing fee or oath	
127	50	227 25	Surcharge - late provisional filing fee or cover sheet	
139	130	139 130	Non-English specification	
147	2,520	147 2,520	For filing a request for ex parte reexamination	
112	920*	112 920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115	110	215 55	Extension for reply within first month	
116	390	216 195	Extension for reply within second month	
117	890	217 445	Extension for reply within third month	
118	1,390	218 695	Extension for reply within fourth month	
128	1,890	228 945	Extension for reply within fifth month	
119	310	219 155	Notice of Appeal	
120	310	220 155	Filing a brief in support of an appeal	
121	270	221 135	Request for oral hearing	
138	1,510	138 1,510	Petition to institute a public use proceeding	
140	110	240 55	Petition to revive - unavoidable	
141	1,240	241 620	Petition to revive - unintentional	
142	1,240	242 620	Utility issue fee (or reissue)	
143	440	243 220	Design issue fee	
144	600	244 300	Plant issue fee	
122	130	122 130	Petitions to the Commissioner	
123	50	123 50	Processing fee under 37 CFR 1.17(q)	
126	180	126 180	Submission of Information Disclosure Stmt	
581	40	581 40	Recording each patent assignment per property (times number of properties)	40
146	710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279 355	Request for Continued Examination (RCE)	
169	900	169 900	Request for expedited examination of a design application	
			Other fee (specify) <i>37 CFR 1.17(f) fee</i>	130

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$170)

SUBMITTED BY

Name (Print/Type)	Jurgen K. Vollrath	Registration No. (Attorney/Agent)	49,098	Telephone	408-667 1289
Signature	<i>J. Vollrath</i>			Date	<i>1/26/05</i>

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**CERTIFICATE OF MAILING**

I certify that on 1/26/, 2005, which is the date I am signing this certificate, this correspondence and all attachments mentioned are being deposited in the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA, 22313-1450

J. Vollrath
Jurgen Vollrath

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)	
)	Art Unit: 2838
Inventor: Vladislav Vashchenko et al.)	
)	
Serial No.: 10/625,961)	
)	Examiner: Adolf D. Berhane
Filed: July 23, 2003)	
)	
Title: LVTSCR CHARGE PUMP)	
)	
CONVERTER CIRCUIT)	
)	

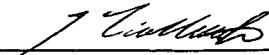
Commissioner of Patents and Trademarks
Washington, D.C. 20231

PETITION UNDER 37CFR 1.48(a)

1. As a result of clerical error, and through no deceptive intent by the inventor, Alexander Burinskiy, or anyone else, Alexander Burinskiy was inadvertently left off the declaration form filed with the above application at time of filing on July 23, 2003.
2. It is requested that Alexander Burinskiy be added as inventor to the above application.
2. A declaration by Alexander Burinskiy is attached hereto.

Respectfully Submitted,

Dated: 1/26/, 2005



Jurgen K. Vollrath

VOLLRATH & ASSOCIATES
588 Sutter Street # 531
San Francisco, CA
94102

Tel: 408-667 1289



CERTIFICATE OF MAILING

I certify that on 1/26, 2002, which is the date I am signing this certificate, this correspondence and all attachments mentioned are being deposited in the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA, 22313-1450

J. Vollrath
Jurgen Vollrath

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)	
)	Art Unit:
Inventor: Vladislav Vashchenko et al.)	
)	
Serial No.:)	
)	Examiner:
Filed: July 23, 2003)	
)	
Title: LVTSCR CHARGE PUMP)	
CONVERTER CIRCUIT)	

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Consent under 37CFR 3.73(b)

1. Assignee in the above application, National Semiconductor Corporation, hereby consents to Alexander Burinskiy being added as co-inventor to the application.
2. An executed assignment form by Alexander Burinskiy, is attached hereto, as well as copies of the assignment forms of the other four inventors: Vladislav Vashchenko, Peter J. Hopper, Yuri Mirgorodski, Philipp Lindorfer, are included herewith.

Respectfully Submitted,

Dated: 1/27, 2008



Christopher Byrne
(on behalf of National Semiconductor Corporation)



CERTIFICATE OF MAILING

I certify that on 1/26, 2003, which is the date I am signing this certificate, this correspondence and all attachments mentioned are being deposited in the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA, 22313-1450

Jurgen Vollrath

A handwritten signature of "Jurgen Vollrath" in black ink.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)	
)	Art Unit:
Inventor: Vladislav Vashchenko et al.)	
)	
Serial No.:)	
)	Examiner:
Filed: July 23, 2003)	
)	
Title: LVTSCR CHARGE PUMP)	
CONVERTER CIRCUIT)	

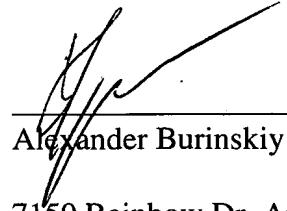
Commissioner of Patents and Trademarks
Washington, D.C. 20231

Declaration of Alexander Burinskiy

1. I, Alexander Burinskiy, confirm that I am a co-inventor of the patent application filed July 23, 2003, entitled LVTSCR CHARGE PUMP CONVERTER CIRCUIT.
2. My name was inadvertently not included on the declaration form, and the error in inventorship occurred without deceptive intent on my part.
3. An executed declaration by me as required under 37CFR1.63 is attached hereto to add myself to the inventors previously included in the declaration at time of filing the application.

Respectfully Submitted,

Dated: 01/28, 2003⁴


Alexander Burinskiy

7150 Rainbow Dr, Apt 13
San Jose, CA
95129



Please type a plus sign (+) inside this box →

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Declaration
Submitted
with Initial
Filing

OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number P05606

First Named Inventor Vladislav Vashchenko

COMPLETE IF KNOWN

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

LVTSCR CHARGE PUMP CONVERTER CIRCUIT

(Title of the Invention)

the specification of which

is attached hereto

OR

was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

(if applicable).

Application Number

and was amended on (MM/DD/YYYY)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box →

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Number
or Bar Code Label OR Correspondence address below

Jurgen Vollrath
Name

588 Sutter Street # 531
Address

Address

San Francisco City	CA State	94102 ZIP
USA Country	408-667 1289 Telephone	Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR : A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Vladislav	Family Name or Surname	Vashchenko
---	-----------	---------------------------	------------

Inventor's Signature	Date
-------------------------	------

Residence: City Palo Alto	CA State	USA Country	Russia Citizenship
------------------------------	-------------	----------------	-----------------------

Mailing Address
700 Paul Ave

Mailing Address
Palo Alto

Palo Alto City	CA State	94306 ZIP	USA Country
-------------------	-------------	--------------	----------------

NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Peter J.	Family Name or Surname	Hopper
---	----------	---------------------------	--------

Inventor's Signature	Date
-------------------------	------

Residence: City San Jose	CA State	USA Country	UK Citizenship
-----------------------------	-------------	----------------	-------------------

Mailing Address
4327 Verdigris Circle

Mailing Address

San Jose City	CA State	95134 ZIP	USA Country
------------------	-------------	--------------	----------------

Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.



Please type a plus sign (+) inside this box →

PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page ___ of ___

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Yuri		Mirgorodski		
Inventor's Signature		Date		
Residence: City	Sunnyvale	State	CA	Country
USA Citizenship RUSSIA				
Mailing Address 1379 Zurich Terrace				
Mailing Address				
City	Sunnyvale	State	CA	ZIP 94087 Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Philipp		Lindorfer		
Inventor's Signature		Date		
Residence: City	San Jose	State	CA	Country
USA Citizenship Austria				
Mailing Address 6180 Cahalan Ave				
Mailing Address				
City	San Jose	State	CA	ZIP 95123 Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Alexander		Burinsky		
Inventor's Signature				Date 01/28/2004
Residence: City	San Jose	State	CA	Country
USA Citizenship Russia				
Mailing Address 7150 Rainbow Dr, Apt. 13				
Mailing Address				
City	San Jose	State	CA	ZIP 95129 Country USA

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.